1. An apparatus comprising:

an input waveguide for carrying an optical signal having a nominal wavelength; and

an output waveguide having a Bragg grating disposed proximate to said input waveguide, said Bragg grating having an adjusted grating period that has been increased from a nominal grating period to compensate for a Bragg wavelength shift.

2. The apparatus of claim 1 wherein said Bragg grating is implemented as a uniform grating having means for applying a temperature gradient to said uniform grating.

3. The apparatus of claim 1 wherein said Bragg grating is implemented as a uniform grating having means for applying a strain gradient to said uniform grating.

4. The apparatus of claim 1 wherein said Bragg grating has a higher periodicity in its middle portion than in its outer portions.

5. The apparatus of claim 1 wherein said Bragg grating is an apodized Bragg grating.

6. The apparatus of claim 1 wherein said Bragg grating has a variable grating period.

7. A grating assisted direct coupler comprising:

an input waveguide carrying an optical signal having a nominal wavelength;

an output waveguide having a variable period Bragg grating for coupling said optical signal into said output waveguide, said variable period Bragg grating having an adjusted variable grating period that has been changed from a nominal variable grating period to compensate for a Bragg wavelength shift.

8. The direct coupler of claim 7 further including means for applying a temperature gradient to said variable period Bragg grating.

9. The direct coupler of claim 7 further including means for applying a strain gradient to said variable period Bragg grating.

10. The direct coupler of claim 7 wherein said variable period Bragg grating has a higher periodicity in its middle portion than in its outer portions.

11. The direct coupler of claim 7 wherein said variable period Bragg grating is an apodized Bragg grating.

12. A method for compensating for a Bragg wavelength shift in a grating assisted direct coupler having an input waveguide and an output waveguide, said output waveguide having a Bragg grating formed thereon, the method comprising applying a temperature gradient to said Bragg grating.

13. A method for compensating for a Bragg wavelength shift in a grating assisted direct coupler having an input waveguide and an output waveguide, said output waveguide having a Bragg grating formed thereon, the method comprising applying a stress gradient to said Bragg grating.

14. A method for compensating for a Bragg wavelength shift in a grating assisted direct coupler having an input waveguide and an output

waveguide, said output waveguide having a Bragg grating formed thereon, the method comprising varying the periodicity of said Bragg grating.